

**REMARKS/ARGUMENTS**

Further consideration of this application is respectfully requested.

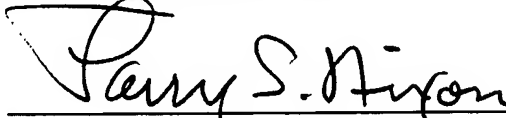
The Examiner is thanked for the Advisory Action dated 05/16/2006. Since it appears that the only remaining obstacle to allowance of this case is a properly formed claim directed to statutory subject matter having practical application (e.g., producing a concrete tangible result), the claims have been amended above so as to more explicitly claim the statutory process for creating an analytical closed form model of the earth's sub-surface area heat flow and its error bounds by stochastic analysis so that the model can be used to evaluate the thermal state of the earth for related oil and natural gas analyses and for tectronic studies or studies related to crystallization of minerals. The claims have also been amended so as to require a concrete tangible output result.

Accordingly, the Examiner is again respectfully requested to re-evaluate the outstanding rejection of all claims under 35 U.S.C. §101 and to withdraw such rejection in view of the accompanying amendment.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By:

  
\_\_\_\_\_  
Larry S. Nixon  
Reg. No. 25,640

LSN:vc  
901 North Glebe Road, 11th Floor  
Arlington, VA 22203-1808  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100